CLAIMS

What is claimed is:

An apparatus for determining a discount for a customer of a retail establishment, said apparatus comprising:

an input device for generating an identifier signal indicative of a customer's identification; and

a signal processing system responsive to said-identifier signal, and having memory for storing signals including program signals defining an executable process for calculating a second discount based on a predefined time period from signals stored in said memory indicative of a date of a last visit of the customer to the retail establishment and a first discount.

- 2. The apparatus of claim 1, where it said input device includes a keypad.
 - The apparatus of claim 1, wherein said input device includes at least one of a scanning 3. device for scanning an encoded bar code, a magnetic storage medium, an optical storage medium.
 - The apparatus of claim 1, wherein said process further applies said second discount to a purchase of the customer at the retail establishment.
 - The apparatus of claim 1, wherein said process determines said second discount upon 5. expiration of said pre-defined time period, wherein said pre-defined begins at a pre-defined date.
- The apparatus of claim 1, wherein said process determines said second discount by increasing said first discount by a pre-defined value if said date of said last visit is within said
- 3 pre-defined time period.
- 7. The apparatus of claim 1, wherein said process determines said second discount by 1
- decreasing said first discount by a pre-defined value if said date of said last visit is prior to said 2
- pre-defined time period. 3
- The apparatus of claim 1, wherein said process determines said second discount by
- decreasing said second discount to a pre-defined minimum discount if said date of said last visit

is prior to said pre-defined time period.



- 9. The apparatus of claim 1, wherein said process updates said date of said last visit of the customer with a date of a present visit of the customer to the retail establishment; and to update said first discount with said second discount.
- 1 10. The apparatus of claim 9, wherein said process further updates said date of said-last visit
- 2 if a purchase of the customer is greated than a pre-defined value
- 1 11. The apparatus of claim 1, wherein said process further applies a second discount to a
- 2 purchase of the customer if the purchase is greater than a pre-defined value.
- 1 12. The apparatus of claim 1, wherein said process determines said second discount at a
- 2 present visit of the customer to the reladl establishment.
 - 13. The apparatus of claim 1, wherein said process further accesses a date indicative of the last time said first discount changed.
 - 14. The apparatus of claim 13, wherein said process determines said second discount by
- increasing said first discount by a pre-defined value if said date of said last visit is within said
 - pre-defined time period and if said date said first discount changed is prior to a second pre-
- 4 defined time period.
 - 15. The apparatus of claim 1, wherein said process further generates a coupon including said identifier.
 - An apparatus for determining a discount for a customer, the apparatus comprising:

 an input device for generating an identifier signal indicative of a first conditional discount and a first date indicative of an expiration date of said first conditional discount; and
 - a signal processing system, responsive to said identifier signal, and having memory for storing signals including program signals defining an executable process for calculating a first earned discount based on a pre-defined time period from signals indicative of stored in said memory indicative of said first conditional discount and said first date; for calculating a second conditional discount by increasing said first earned discount by a pre-defined value; and for generating a second identifier indicative of said second conditional discount and a second date indicative of an expiration of said second conditional discount.

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- 1 17. The apparatus of claim 16, wherein said process further applies said first earned discount
- 2 to a purchase of the customer at the retail establishment.
- 1 18. The apparatus of claim 16, wherein said process determines said first earned discount is
- equal to said first conditional discount it said first date occurs within said pre-defined time
- 3 period.
 - 19. The apparatus of claim 16, wherein said process determines said first earned discount is equal to said first conditional discount decreased by a pre-defined value if said first date occurs outside of said pre-defined time period.
- 1 20. The apparatus of claim 16, wherein said process determines said first earned discount is
- zero discount if said first date occurs outside of said pre-defined time period.
- 1 21. The apparatus of claim 16, wherein said input device includes a scanning device for
- 2 scanning an encoded bar code, a magnetic storage medium, or an optical storage medium.
- 1 22. A computer encoded with computer program code for:
 - receiving an identifier representative of the customer;
 - accessing data, in response to said identifier, from memory relating to the customer, a
- date of a last visit of a customer to the retail establishment, and a first discount; and
 - determining a second discount based on said first discount and a relationship of said date of said last visit of the customer and a pre-defined time period.
- 1 23. The computer of claim 22, the computer program code further for applying said second
- discount to a purchase of the customer at the retail establishment.
- 1 24. The computer of claim 22, wherein said second discount is a percentage discount of said
- 2 purchase of the customer.
- 1 25. The computer of claim 22, wherein determining said second discount is performed upon
- 2 the expiration of said pre-defined time period, and wherein said pre-defined time period begins at
- 3 a pre-defined date.

- 1 26. The computer of claim 22, wherein determining said second discount comprises
- 2 increasing said first discount by a pre-defined value if said date of said last visit is within said
- 3 pre-defined time period.
- 1 27. The computer of claim 22, wherein determining said second discount comprises
- decreasing said first discount by a pre-defined value if said date of said last visit is prior to said
- 3 pre-defined time period.
- 1 28. The computer of claim 22, wherein determining said second discount comprises
- decreasing said second discount to a pre-defined minimum discount if said date of said last visit
- 3 is prior to said pre-defined time period.
 - 29. The computer of claim 22, the computer program code further for:

 updating said date of said last visit of the customer with a date of a present visit of the customer to the retail establishment; and updating said first discount with said second discount.
 - 30. The computer of claim 29, wherein updating said date of said last visit is performed if a purchase of the customer is greater than a pre-defined value.
- The computer of claim 22, the computer program code further for applying a second discount to a purchase of the customer if the purchase is greater than a pre-defined value.
- 1 32. The computer of claim 22, wherein determining said second discount is performed at a present visit of the customer to the retail establishment.
 - 33. The computer of claim 22, the computer program code further for performs accessing a date indicative of the last time said first discount changed.
 - 34. The computer of claim 33, wherein determining said second discount comprises
- 2 increasing said first discount by a pre-defined value if said date of said last visit is within said
- 3 pre-defined time period and if said date said first discount changed is prior to a second pre-
- 4 defined time period.
- 1 35. The computer of claim 22, wherein said memory is associated with said computer.

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- 1 36. The computer of claim 22 wherein said memory is associated with a card.
- 1 37. The computer of claim 22, wherein said identifier comprises an encoded bar code, a magnetic storage medium and an optical storage medium.
- 1 38. The computer of claim 22, the computer program code further for generating a coupon including said identifier.
- 1 39. A computer encoded with computer program code for:
 2 receiving a first identifier indicative of a first conditional discount and a first date
 3 representative of the expiration of said first conditional discount;
 - determining a first earned discount in accordance with said first conditional discount and said first date occurring within a pre-defined time period;
 - determining a second conditional discount by increasing said first earned discount by a pre-defined value; and
 - generating a second identifier indicative of said second conditional discount and a second date representative of the expiration of said second conditional discount.
 - 40. The computer of claim 39, the computer program code further for applying said first earned discount to a purchase of the customer at the retail establishment.
- 1 41. The computer of claim 39, wherein determining said first earned discount comprises 2 determining said first earned discount to be equal to said first conditional discount if said first 3 date occurs within said pre-defined time period.
- The computer of claim 39, wherein determining said first earned discount comprises decreasing to said first conditional discount by a pre-defined value if said first date occurs outside of said pre-defined time period.
- 1 43. The computer of claim 32, wherein determining said first earned discount comprises
- determining said first earned discount to be zero discount if said first date occurs outside of said
- 3 pre-defined time period.
 - 44. The computer of claim 39, wherein said first and second identifier comprises an encoded bar code, a magnetic storage medium and an optical storage medium.

A storage medium encoded with machine-readable computer program code for:

receiving an identifier representative of the customer;

accessing data, in response to said identifier, from memory relating to the customer, a date of the last visit of a customer to the retail establishment, and a first discount; and

determining a second discount based on said first discount and a relationship of said date of said last visit of the customer and a pre-defined time period.

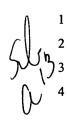
- 1 46. The storage medium of claim 45, the computer program code further for applying said
- 2 second discount to a purchase of the customer at the retail establishment.
- 1 47. The storage medium of claim 45, wherein said second discount is a percentage discount
- 2 of the purchase of the customer.
- 1 48. The storage medium of claim 45, wherein determining said second discount is performed
- 2 upon the expiration of said pre-defined time period, wherein said pre-defined begins at a pre-
- 3 defined date.
- 1 49. The storage medium of claim 45 wherein determining said second discount comprises
- 2 increasing said first discount by a pre-defined value if said date of said last visit is within said
- 3 pre-defined time period.
- 1 50. The storage medium of claim 45, wherein determining said second discount comprises
- decreasing said first discount by a pre-defined value if said date of said last visit is prior to said
- 3 pre-defined time period/
- 1 51. The storage medium of claim 45, wherein determining said second discount comprises
- decreasing said second discount to a pre-defined minimum discount if said date of said last visit
- 3 is prior to said pre-defined time period.
 - 52. The storage medium of claim 45, the computer program code further for:

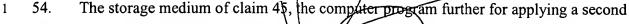
updating said date of said last visit of the customer with a date of a present visit of the

customer to the retail establishment; and

updating said first discount with said second discount.

- 1 53. The storage medium of claim 52, wherein updating said date of said last visit is
- 2 performed if a purchase of the customer is greater than a pre-defined value.





discount to a purchase of the customer if the purchase is greater than a pre-defined value.

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- 1 55. The storage medium of claim 45, wherein determining said second discount is performed
- at a present visit of the customer to the retail establishment.

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- 56. The storage medium of claim 45, the computer program further for accessing a date indicative of said last time said first discount changed.
- The storage medium of claim 56, wherein determining said second discount comprises increasing said first discount by a pre-defined value if said date of said last visit is within said pre-defined time period and if said date said first discount changed is prior to a second pre-defined time period.
 - 58. The storage medium of claim 45 the computer program code further for generating a coupon including said identifier.
- The storage medium of claim 45, wherein said identifier comprises an encoded bar code, a magnetic storage medium and an optical storage medium.
- 1 60. The storage medium of claim 45, wherein said storage medium is associated with a computer.
- 1 61. The storage medium of claim 45, wherein said storage medium is associated with a card.
- 1 62. The storage medium of claim 45, in which the medium is at least one of an electronic storage medium, magnetic storage medium and optic storage medium.
- 1 63/ A storage medium encoded with machine-readable computer program code for:
- receiving a first identifier indicative of a first conditional discount and a first date
- 3 representative of the expiration of said first conditional discount;
- determining a first earned discount in accordance with said first conditional discount and said first date occurring within a pre-defined time period;

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- 6 determining a second conditional discount by increasing said first earned discount by a pre-defined value; and 7
- generating a second identifier indicative of said second conditional discount and a second 8 date representative of the expiration of said second conditional discount. 9
- The storage medium of claim 63, the computer program code further for applying said 64. 1 first earned discount to a purchase of the customer at the retail establishment. 2
- The storage medium of claim 63, wherein determining said first earned discount 65.
- comprises determining said first earned discount to be equal to said first conditional discount if
- said first date occurs within said predefined time period.
- 66. The storage medium of claim 63, wherein determining said first earned discount comprising decreasing to said first conditional discount by a pre-defined value if said first date occurs outside of said pre-defined time period.
- The storage medium of claim 63, wherein determining said first earned discount 67. comprising determining said first earned discount to be zero discount if said first date occurs 2 outside of said pre-defined time period. 3
 - The storage medium of claim 63, wherein said first identifier and second identifier each 68. comprise an encoded bar code.
 - A method for determining a discount for a customer of a retail establishment, said method comprising:

receiving an identifier representative of the customer;

accessing data, in response to said identifier, from memory relating to the customer, a date of the last visit of a customer to the retail establishment, and a first discount; and

determining a second discount based on said first discount and a relationship of said date of said last visit of the customer and a pre-defined time period.

- The method of claim 69, further comprising applying said second discount to a purchase 1 70. 2 of the customer at the retail establishment,
- The method of claim 69, wherein said second discount is a percentage discount of the 71. 1
- purchase of the customer. 2

- The method of claim 69, wherein determining said second discount is performed upon the
- 2 expiration of said pre-defined time period, wherein said pre-defined begins at a pre-defined date.
- 1 73. The method of claim 69, wherein determining said second discount comprises increasing
- said first discount by a pre-defined value if said date of said last visit is within said pre-defined
- 3 time period.
- 1 74. The method of claim 69, wherein determining said second discount comprises decreasing
- 2 said first discount by a pre-defined value if said date of said last visit is prior to said pre-defined
- 3 time period.
- The method of claim 69, wherein determining said second discount comprises decreasing said second discount to a pre-defined minimum discount if said date of said last visit is prior to
- 3 said pre-defined time period.
 - 76. The method of claim 69, further comprising:
 - updating said date of said last visit of the customer with a date of a present visit of the customer to the retail establishment; and
 - updating said first discount with said second discount.
 - 77. The method of claim 76, wherein updating said date of said last visit is performed if a purchase of the customer is greater than a pre-defined value.
- 1 78. The method of claim 69, further comprising.
- applying a second discount to a purchase of the customer if the purchase is greater than a
- 3 pre-defined value.
- 1 79. The method of claim 69, wherein determining said second discount is performed at a
- 2 present visit of the customer to the retail establishment.
 - 80. The method of claim 69, further comprising:
 - accessing a date indicative of the last time said first discount changed.
- 1 81. The method of claim 80, wherein devermining said second discount comprises increasing
- 2 said first discount by a pre-defined value if/said date of said last visit is within said pre-defined

- time period and if said date said first discount changed is prior to a second pre-defined time
- period. 4

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- 82. The method of claim 69, further including: 1
- 2 generating a coupon including said identifier.
- The method of claim 69, wherein said identifier comprises an encoded bar code, a 83. 1
- 2 magnetic storage medium and an optical storage medium.
- The method of determining a discount for a customer; the method comprising: 1 2 receiving a first identifier indicative of a first conditional discount and a first date representative of the expiration of said first conditional discount;

determining a first earned discount in accordance with said first conditional discount and said first date occurring within a pre-defined time period;

determining a second conditional discount by increasing said first earned discount by a pre-defined value; and

generating a second identifier indicative of said second conditional discount and a second date representative of the expiration of said second conditional discount.

- 85. The method of claim 84, further comprising: applying said first earned discount to a purchase of the customer at the retail establishment.
- The method of claim 84, wherein said first earned discount is equal to said first 1 conditional discount if said first date occurs within said pre-defined time period. 2
 - The method of claim 84, wherein said first earned discount is equal to said first 87. conditional discount decreased by a pre-defined value if said first date occurs outside of said predefined time period.
 - The method of claim 84, wherein said first earned discount is zero discount if said first 88.
- date occurs outside of said pre-defined time period.
 - 89. The method of claim 84, wherein said first and second identifier comprises an encoded bar code, a magnetic storage medium and an optical storage medium.